



## Polaris

by Arya Akhavan (September 2012)

Angles for R.I. = 1.520

61 + 5 girdles = 66 facets

5-fold, mirror-image symmetry

80 index

$L/W = 1.052$   $T/W = 0.242$   $U/W = 0.231$

$P/W = 0.441$   $C/W = 0.211$

$Vol./W^3 = 0.204$

### PAVILION

P1	46.00°	80-16-32-48-64	Cut to centrepoint.
G1	90.00°	80-16-32-48-64	Set stone size.
P2	42.00°	02-14-18-30-34-46-50-62-66-78	Meet P1, G1
P3	41.00°	01-15-17-31-33-47-49-63-65-79	Meet P1, P2

### CROWN

C1	42.00°	80-16-32-48-64	Set girdle width.
C2	26.34°	02-06-10-14-18-22-26-30-34-38-42-46-50-54-58-62-66-70-74-78	Meet G1, C1
C3	25.75°	08-24-40-56-72	Meet G1, C1, C2
C4	25.41°	80-16-32-48-64	Meet C1, C2
T	0.00°	Table	Meet C2, C3, C4

I happened to like the rendering of my "Fallen Star" design, but I wanted something with a much more clear star pattern. I also wanted a starburst directly underneath the table. Designed for golden orthoclase, but can be cut in any material from feldspar to CZ (RI = 1.52 - 2.16) with no changes.

Suggested size = 6-10 mm

C:\Program Files (x86)\GemCAD\Designs (Mine)\Polaris.gem